

Title (en)

METHOD FOR FORMING ARTICLES OF REINFORCED COMPOSITE MATERIAL.

Title (de)

VERFAHREN ZUM HERSTELLEN VON GEGENSTÄNDEN AUS VERSTÄRKTEM VERBUNDWERKSTOFF.

Title (fr)

PROCEDE DE FORMATION D'ARTICLES EN MATERIAU COMPOSITE RENFORCE.

Publication

EP 0674570 A4 19960228 (EN)

Application

EP 94931280 A 19940920

Priority

- US 9410635 W 19940920
- US 13417593 A 19931008

Abstract (en)

[origin: WO9510402A1] A method for producing articles comprised of reinforced composite materials including primarily wood or cellulosic fiber and plastic is disclosed. The wood fibers are comminuted to substantially a specific thickness and classified according to length. Plastic is comminuted (28) and mixed with wood fibers (32) to form a reinforced composite mixture in predetermined ratios. The composite materials form the main structural or bonding components of the finished article. Other chemicals, such as a coupler (33) can be added, as can other structural components, such as fiberglass (45). The mixture is deposited onto a mold (35) when forming articles having deep drawn portions, and subjected to sufficient temperature and pressure to cause the composite mixture substantially to assume the mold form. The process variables disclosed can be selectively modified to produce predetermined physical characteristics in the finished article, such as strength, thickness or prestressed qualities. An article produced by the above process also is disclosed.

IPC 1-7

B27N 3/12

IPC 8 full level

B27N 3/04 (2006.01); **B27N 1/00** (2006.01); **B27N 3/08** (2006.01); **B27N 5/00** (2006.01); **B29C 70/06** (2006.01)

CPC (source: EP KR US)

B27N 1/00 (2013.01 - EP US); **B27N 1/029** (2013.01 - EP US); **B27N 3/12** (2013.01 - KR); **B27N 5/00** (2013.01 - EP US)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 9510402A1

Cited by

CN107073741A

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9510402 A1 19950420; AU 668326 B2 19960426; AU 8010594 A 19950504; BR 9405525 A 19990908; CA 2150104 A1 19950420; CO 4370036 A1 19961007; EP 0674570 A1 19951004; EP 0674570 A4 19960228; FI 952527 A0 19950524; FI 952527 A 19950524; JP H08504701 A 19960521; KR 950704097 A 19951117; NO 952252 D0 19950607; NO 952252 L 19950607; NZ 274968 A 19960827; US 5435954 A 19950725; ZA 947880 B 19950522

DOCDB simple family (application)

US 9410635 W 19940920; AU 8010594 A 19940920; BR 9405525 A 19940920; CA 2150104 A 19940920; CO 94045995 A 19941007; EP 94931280 A 19940920; FI 952527 A 19950524; JP 51181795 A 19940920; KR 19950702316 A 19950608; NO 952252 A 19950607; NZ 27496894 A 19940920; US 13417593 A 19931008; ZA 947880 A 19941007